

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
VPI/00-08APPLICATION  
NO. 10/034,950INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTAPPLICANT  
Shenoy et al.CONF. NO.  
9344FILING DATE  
December 26, 2001GROUP  
1615

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
bf	4,334,024	6/8/82	Johal	435	232	
	5,510,118	4/23/96	Bosch et al.	424	489	
	5,904,935	5/18/99	Eckenhoff et al.	424	489	
	6,011,001	1/4/00	Navia et al.	514	2	
	6,042,824	3/28/00	Khalaf	424	94.6	
bf	6,140,475	10/31/00	Margolin et al.	530	402	

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
bf	✓ WO 91/09943	7/11/91	PCT	C12N	9/98		
	✓ WO 96/40049	12/19/96	PCT	A61K	9/00		
	✓ WO 99/55310	11/4/99	PCT	A61K	9/86		
bf	✓ WO 00/52150	9/8/2000	PCT	C12N	7/00		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

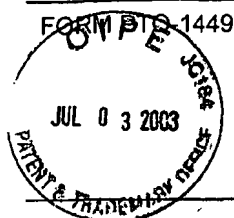
EXAMINER INITIAL	
bf	Baselga et al., "Recombinant Humanized Anti-HER2 Antibody (Herceptin) Enhances the Antitumor Activity of Paclitaxel and Doxorubicin against HER2/neu Overexpressing Human Breast Cancer Xenografts," <u>Cancer Res</u> , Volume 58, pp. 2825-31 (1998).
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	✓ Blanco et al., "Protein encapsulation and release from poly(lactide-co-glycolide) microspheres: effect of the protein and polymer properties and of the co-encapsulation of surfactants," <u>Eur. J. Pharm. Biopharm.</u> Volume 45, pp. 285-94 (1998).
	✓ Braden et al., "X-ray crystal structure of an anti-Buckminsterfullerene antibody Fab fragment: Biomolecular recognition of C <sub>60</sub> ," <u>Proc. Natl. Acad. Sci. USA</u> , Volume 97, pp. 12193-97 (2000).
	✓ Brange et al., "Chemical Stability of Insulin. 1. Hydrolytic Degradation During Storage of Pharmaceutical Preparations," <u>Pharm. Res.</u> , Volume 9, pp. 715-26 (1992).
	✓ Covaceuszach et al., "Purification, crystallization and preliminary X-ray analysis of the Fab fragment from MNAC13, a novel antagonistic anti-tyrosine kinase A receptor monoclonal antibody," <u>Acta Crystallogr. D. Biol. Crystallogr.</u> , Volume 57, pp. 1307-09 (2001).
	✓ Dong et al., "Secondary Structure of the Pentraxin Female Protein in Water Determined by Infrared Spectroscopy: Effects of Calcium and Phosphorylcholine," <u>Biochemistry</u> , Volume 31, pp. 9364-70 (1992).
bf	✓ Dong et al., "Infrared Spectroscopic Studies of Lyophilization- and Temperature-Induced Protein Aggregation," <u>J. Pharm. Sci.</u> , Volume 84, pp. 415-24 (1995).

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EXAMINER INITIAL	
6/6	✓ Harris et al., "Comparison of the conformations of two intact monoclonal antibodies with hinges," <u>Immunol. Rev.</u> , Volume 163, pp. 35-43 (1998).
	✓ Harris et al., "Crystallographic Structure of an Intact IgG1 Monoclonal Antibody," <u>J. Mol. Biol.</u> , Volume 275, pp. 861-872 (1998).
	✓ Ito, et al., "Crystallization and preliminary X-ray crystallographic studies on a Fab fragment of the mouse anti-human Fas monoclonal antibody HFE7A," <u>Acta. Crystallogr. D. Biol. Crystallogr.</u> , Volume D57, pp. 1700-1702 (2001).
	✓ Kim et al., "Gene therapy for established murine collagen-induced arthritis by local and systemic adenovirus-mediated delivery of interleukin-4," <u>Arthritis Res.</u> , Volume 2, pp. 293-302 (2000).
	✓ Küttner et al., "A phage library-derived single-chain Fv fragment in complex with turkey egg-white lysozyme: characterization, crystallization and preliminary X-ray analysis," <u>Molecular Immunology</u> , Volume 35, pp. 189-194 (1998).
	✓ Malfait et al., "Chronic Relapsing Homologous Collagen-Induced Arthritis in DBA/1 Mice as a Model for Testing Disease-Modifying and Remission-Inducing Therapies," <u>Arthritis Rheum.</u> , Volume 44, pp. 1215-24 (2001).
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	✓ Mylvaganam et al., "Structural Basis for the Binding of an Anti-cytochrome c Antibody to its Antigen: Crystal Structures of FabE8-Cytochrome c Complex to 1.8 Å Resolution and FabE8 to 2.26 Å Resolution," <u>J. Mol. Biol.</u> , Volume 281, pp. 301-22(1998).
	✓ Pekarek et al., "Double-walled polymer microspheres for controlled drug release," <u>Nature</u> , Volume 367, pp. 258-60 (1994).
	✓ Pichla et al. "The Crystal Structure of a Fab Fragment to the Melanoma-Associated GD2 Ganglioside," <u>J. Struct. Biol.</u> , Volume 119, pp. 6-16 (1997).
	✓ Pietras et al., "Monoclonal Antibody to HER-2/ <i>neu</i> Receptor Modulates Repair of Radiation-induced DNA Damage and Enhances Radiosensitivity of Human Breast Cancer Cells Overexpressing This Oncogene," <u>Cancer Research</u> , Volume 59, pp. 1347-1355 (1999).
	✓ Pikal et al., "Quantitative Crystallinity Determinations for $\beta$ -Lactam Antibiotics by Solution Calorimetry: Correlations with Stability," <u>J. Pharm. Sci.</u> , Volume 67, pp. 767-73 (1978).
	✓ Pikal et al., "The Stability of Insulin in Crystalline and Amorphous Solids: Observation of Greater Stability for the Amorphous Form," <u>Pharm. Res.</u> , Volume 14, pp. 1379-87 (1997).
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INITIALYoshino, "Treatment with an Anti-IL-4 Monoclonal Antibody Blocks Suppression of Collagen-Induced Arthritis in Mice by Oral Administration of Type II Collagen," J. Immunol., Volume 160, pp. 3067-3071 (1998).*Brandon K. Allen* 2/22/05